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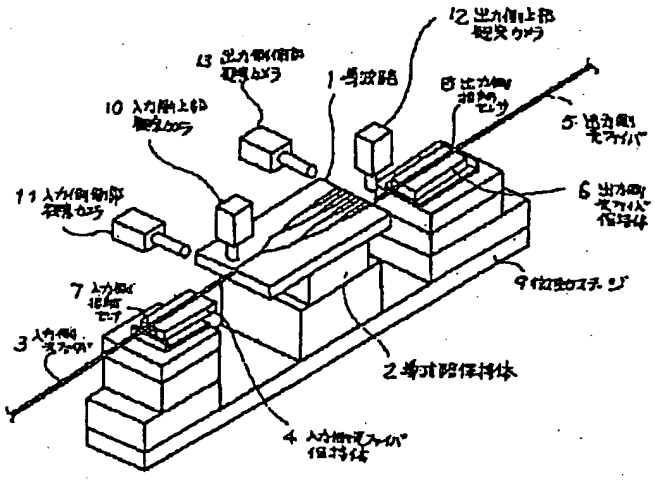
TITLE : METHOD AND DEVICE FOR ADJUSTING OPTICAL AXES OF WAVEGUIDE AND OPTICAL FIBER



ABSTRACT : PROBLEM TO BE SOLVED: To enable optical axis adjustment in a short time by positioning a waveguide and an optical fiber from an image and determining the range of high-level positioning with a touch sensor.

SOLUTION: While using images caught by an input side upper observation camera 10 and an input part side observation camera 11, an input side optical fiber 3 is moved forward, namely, toward the side of waveguide 1. When the input side optical fiber 3 reaches a forward move limit line set to an upper part monitor picture and a side part monitor picture, forward movement is temporarily stopped. Then, the intervals of waveguide 1 and optical fibers 3 and 5 are adjusted by touch sensors 7 and 8 attached to an input side optical fiber holder 4 and an output side optical fiber holder 6. Namely, when the optical fibers 3 and 5 are moved toward the waveguide 1, they touch the end face of waveguide 1. A certain distance is set from that position, the optical fibers 3 and 5 are separated from the waveguide 1, and the intervals of waveguide 1 and optical fibers 3 and 5 are set small.